

BONANZA CREEK ENERGY INC.

WELD COUNTY, COLORADO (NAD 83)

NW NW SEC. 2 T5N R62W 6th P.M.

STATE ANTELOPE 12-42-2HNB

ORIGINAL WELLBORE

26 November, 2014

Plan: PROPOSAL #3

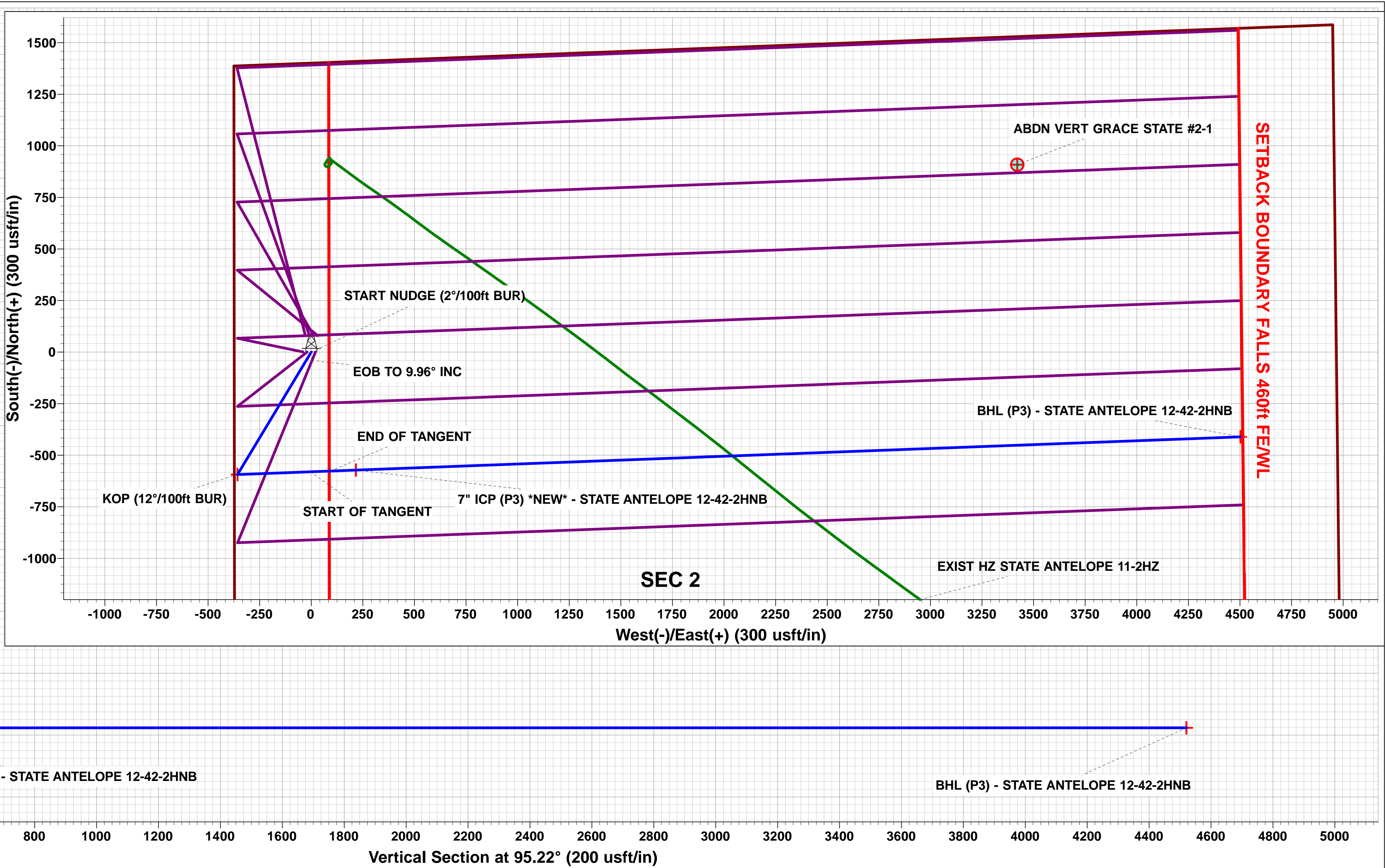
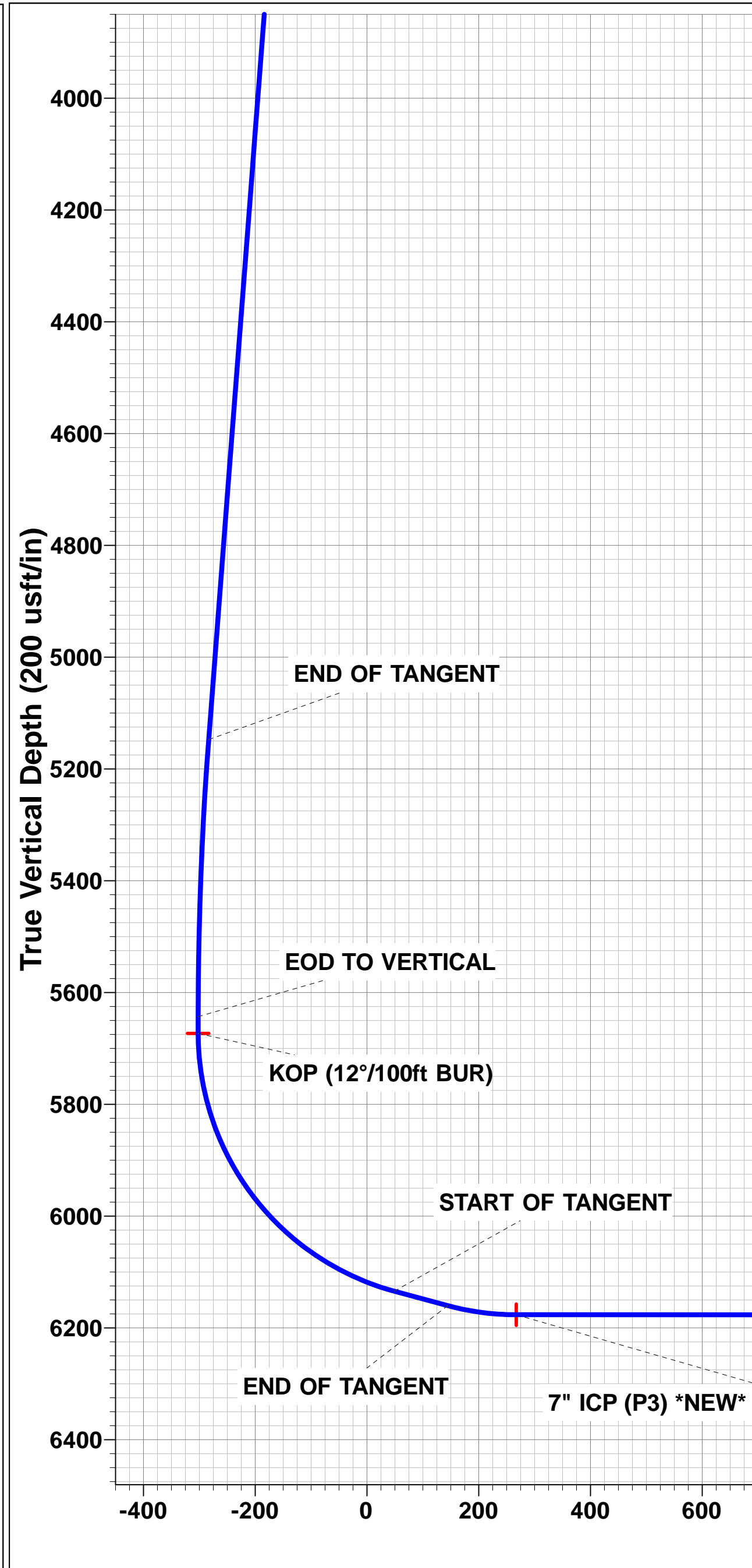
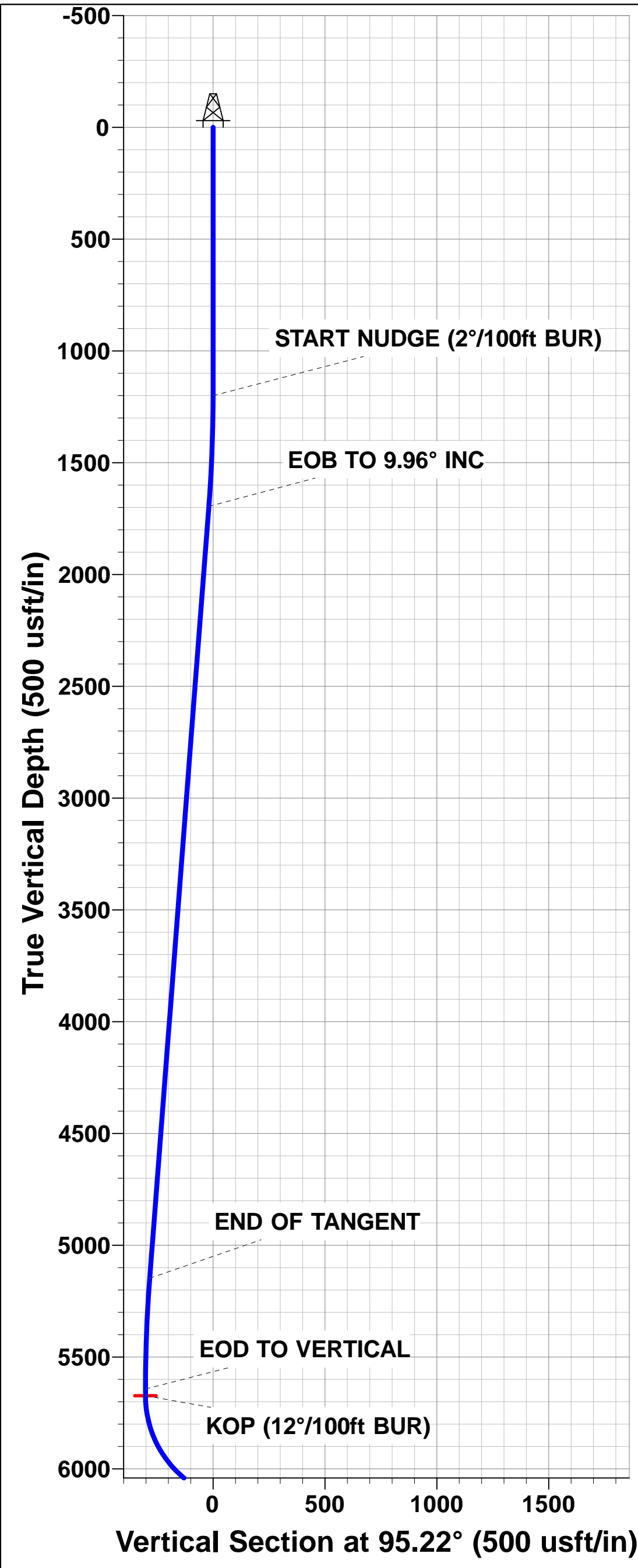
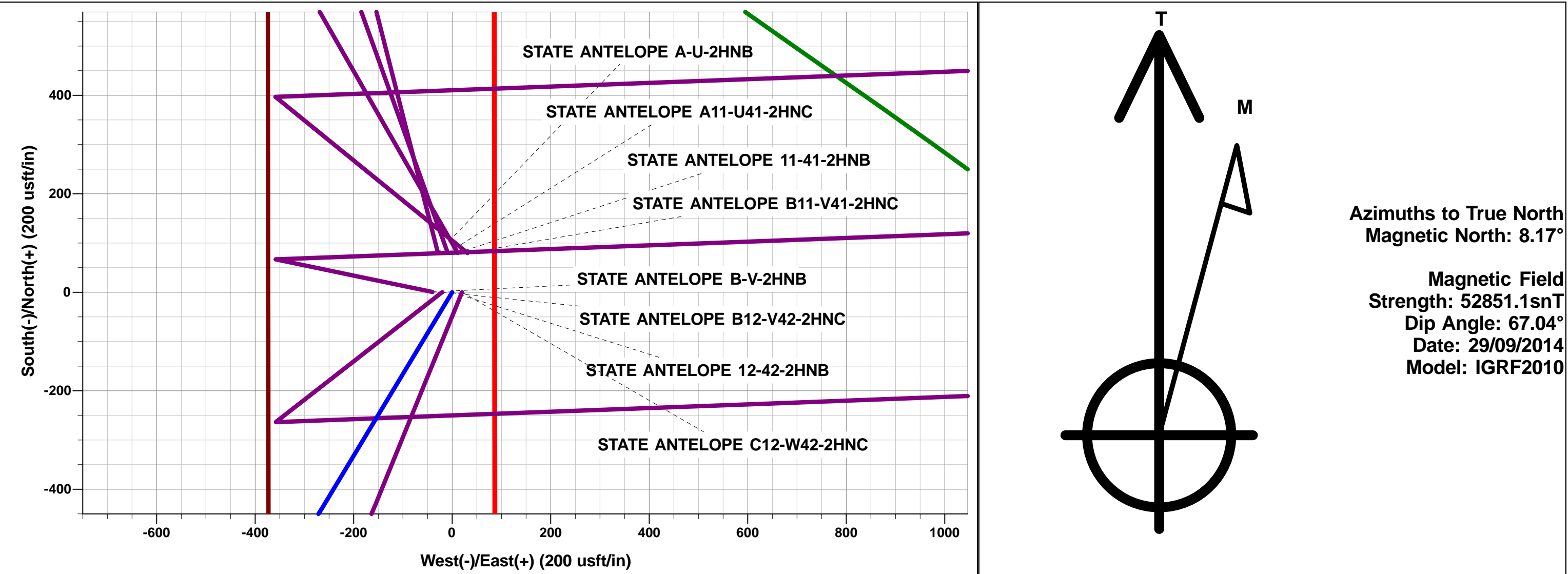




Project: WELD COUNTY, COLORADO (NAD 83)
Site: NW NW SEC. 2 T5N R62W 6th P.M.
Well: STATE ANTELOPE 12-42-2HNB
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #3

| ANNOTATIONS | | | | | | | | | |
|-------------|---------|-------|--------|--------|--------|--------|--------|---|--|
| TVD | MD | Inc | Azi | +N/-S | +E/-W | VSect | Dep | Annotation | |
| 1200.0 | 1200.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | START NUDGE (2°/100ft BUR) | |
| 1695.7 | 1698.2 | 9.96 | 211.06 | -37.0 | -22.3 | -18.8 | 43.2 | EOB TO 9.96° INC | |
| 5147.6 | 5203.0 | 9.96 | 211.06 | -556.5 | -335.2 | -283.2 | 649.6 | END OF TANGENT | |
| 5643.3 | 5701.2 | 0.00 | 0.00 | -593.5 | -357.5 | -302.1 | 692.9 | EOD TO VERTICAL | |
| 5673.3 | 5731.2 | 0.00 | 0.00 | -593.5 | -357.5 | -302.1 | 692.9 | KOP (12°/100ft BUR) | |
| 6134.5 | 6356.2 | 75.00 | 87.85 | -580.2 | -3.8 | 48.9 | 1046.8 | START OF TANGENT | |
| 6160.4 | 6456.2 | 75.00 | 87.85 | -576.6 | 92.7 | 144.7 | 1143.4 | END OF TANGENT | |
| 6176.6 | 6581.2 | 90.00 | 87.85 | -572.0 | 216.2 | 267.3 | 1266.9 | 7" ICP *NEW* (P3) - STATE ANTELOPE 12-42-2HNB | |
| 6176.6 | 10869.9 | 90.00 | 87.85 | -410.9 | 4501.8 | 4520.6 | 5555.6 | BHL (P3) - STATE ANTELOPE 12-42-2HNB | |

| WELLBORE TARGET DETAILS (LAT/LONG) | | | | | |
|---|--------|--------|--------|-----------|-------------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude |
| KOP (P3) - STATE ANTELOPE 12-42-2HNB | 5673.3 | -593.5 | -357.5 | 40.431294 | -104.299979 |
| BHL (P3) - STATE ANTELOPE 12-42-2HNB | 6176.6 | -410.9 | 4501.9 | 40.431794 | -104.282524 |
| 7" ICP (P3) *NEW* - STATE ANTELOPE 12-42-2HNB | 6176.6 | -572.0 | 216.2 | 40.431353 | -104.297918 |



Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well STATE ANTELOPE 12-42-2HNB |
| Company: | BONANZA CREEK ENERGY INC. | TVD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Site: | NW NW SEC. 2 T5N R62W 6th P.M. | North Reference: | True |
| Well: | STATE ANTELOPE 12-42-2HNB | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #3 | | |

| | | | |
|--------------------|--------------------------------|----------------------|-----------------------------|
| Project | WELD COUNTY, COLORADO (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | |
|------------------------------|--------------------------------|--------------------------|-------------------|
| Site | NW NW SEC. 2 T5N R62W 6th P.M. | | |
| Site Position: | | Northing: | 1,402,899.64 usft |
| From: | Lat/Long | Easting: | 3,334,413.22 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 1.10000ft |
| | | Latitude: | 40.433143 |
| | | Longitude: | -104.298655 |
| | | Grid Convergence: | 0.78 ° |

| | | | |
|-----------------------------|---------------------------|----------------------------|------------------|
| Well | STATE ANTELOPE 12-42-2HNB | | |
| Well Position | +N/-S | -80.2 usft | Northing: |
| | +E/-W | -11.1 usft | Easting: |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | usft |
| | | Latitude: | 40.432923 |
| | | Longitude: | -104.298695 |
| | | Ground Level: | 4,646.6 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | ORIGINAL WELLBORE | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 29/09/2014 | 8.17 | 67.04 | 52,851 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | PROPOSAL #3 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 6,176.6 | 0.0 | 0.0 | 95.22 |

| Plan Sections | | | | | | | | | | | |
|----------------------|---------|---------|----------------|-----------|--------------|--------------|------------------------|-----------------------|----------------------|---------|------------------|
| MD (usft) | Inc (°) | Azi (°) | Vertical Depth | SS (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usf) | Build Rate (°/100usf) | Turn Rate (°/100usf) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | -4,663.6 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | -3,463.6 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,698.2 | 9.96 | 211.06 | 1,695.7 | -2,967.9 | -37.0 | -22.3 | 2.00 | 2.00 | 0.00 | 211.06 | |
| 5,203.0 | 9.96 | 211.06 | 5,147.6 | 484.0 | -556.5 | -335.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,701.2 | 0.00 | 0.00 | 5,643.3 | 979.7 | -593.5 | -357.5 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,731.2 | 0.00 | 0.00 | 5,673.3 | 1,009.7 | -593.5 | -357.5 | 0.00 | 0.00 | 0.00 | 0.00 | KOP (P3) - STATE |
| 6,356.2 | 75.00 | 87.85 | 6,134.5 | 1,470.9 | -580.2 | -3.9 | 12.00 | 12.00 | 0.00 | 87.85 | |
| 6,456.2 | 75.00 | 87.85 | 6,160.4 | 1,496.8 | -576.6 | 92.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,581.2 | 90.00 | 87.85 | 6,176.6 | 1,513.0 | -572.0 | 216.2 | 12.00 | 12.00 | 0.00 | 0.00 | |
| 10,869.9 | 90.00 | 87.85 | 6,176.6 | 1,513.0 | -410.9 | 4,501.9 | 0.00 | 0.00 | 0.00 | -75.28 | BHL (P3) - STATE |

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well STATE ANTELOPE 12-42-2HNB |
| Company: | BONANZA CREEK ENERGY INC. | TVD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Site: | NW NW SEC. 2 T5N R62W 6th P.M. | North Reference: | True |
| Well: | STATE ANTELOPE 12-42-2HNB | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #3 | | |

| Planned Survey | | | | | | | | | | |
|----------------------------|------------|------------|---------------|--------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 4,663.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 4,563.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 4,463.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 4,363.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 4,263.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 4,163.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 4,063.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 3,963.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 3,863.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 3,763.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 3,663.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 3,563.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| START NUDGE (2°/100ft BUR) | | | | | | | | | | |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 3,463.60 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 2.00 | 211.06 | 1,300.0 | 3,363.62 | -1.5 | -0.9 | -0.8 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 4.00 | 211.06 | 1,399.8 | 3,263.76 | -6.0 | -3.6 | -3.0 | 2.00 | 2.00 | 0.00 |
| 1,500.0 | 6.00 | 211.06 | 1,499.5 | 3,164.15 | -13.4 | -8.1 | -6.8 | 2.00 | 2.00 | 0.00 |
| 1,600.0 | 8.00 | 211.06 | 1,598.7 | 3,064.90 | -23.9 | -14.4 | -12.2 | 2.00 | 2.00 | 0.00 |
| EOB TO 9.96° INC | | | | | | | | | | |
| 1,698.2 | 9.96 | 211.06 | 1,695.7 | 2,967.91 | -37.0 | -22.3 | -18.8 | 2.00 | 2.00 | 0.00 |
| 1,700.0 | 9.96 | 211.06 | 1,697.5 | 2,966.13 | -37.3 | -22.5 | -19.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 9.96 | 211.06 | 1,796.0 | 2,867.64 | -52.1 | -31.4 | -26.5 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 9.96 | 211.06 | 1,894.4 | 2,769.15 | -66.9 | -40.3 | -34.1 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 9.96 | 211.06 | 1,992.9 | 2,670.66 | -81.7 | -49.2 | -41.6 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 9.96 | 211.06 | 2,091.4 | 2,572.17 | -96.6 | -58.2 | -49.2 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 9.96 | 211.06 | 2,189.9 | 2,473.68 | -111.4 | -67.1 | -56.7 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 9.96 | 211.06 | 2,288.4 | 2,375.18 | -126.2 | -76.0 | -64.2 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 9.96 | 211.06 | 2,386.9 | 2,276.69 | -141.0 | -85.0 | -71.8 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 9.96 | 211.06 | 2,485.4 | 2,178.20 | -155.9 | -93.9 | -79.3 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 9.96 | 211.06 | 2,583.9 | 2,079.71 | -170.7 | -102.8 | -86.9 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 9.96 | 211.06 | 2,682.4 | 1,981.22 | -185.5 | -111.7 | -94.4 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 9.96 | 211.06 | 2,780.9 | 1,882.73 | -200.3 | -120.7 | -102.0 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 9.96 | 211.06 | 2,879.4 | 1,784.23 | -215.1 | -129.6 | -109.5 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 9.96 | 211.06 | 2,977.9 | 1,685.74 | -230.0 | -138.5 | -117.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 9.96 | 211.06 | 3,076.3 | 1,587.25 | -244.8 | -147.4 | -124.6 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 9.96 | 211.06 | 3,174.8 | 1,488.76 | -259.6 | -156.4 | -132.1 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 9.96 | 211.06 | 3,273.3 | 1,390.27 | -274.4 | -165.3 | -139.7 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 9.96 | 211.06 | 3,371.8 | 1,291.78 | -289.3 | -174.2 | -147.2 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 9.96 | 211.06 | 3,470.3 | 1,193.28 | -304.1 | -183.2 | -154.8 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 9.96 | 211.06 | 3,568.8 | 1,094.79 | -318.9 | -192.1 | -162.3 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 9.96 | 211.06 | 3,667.3 | 996.30 | -333.7 | -201.0 | -169.9 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 9.96 | 211.06 | 3,765.8 | 897.81 | -348.5 | -209.9 | -177.4 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 9.96 | 211.06 | 3,864.3 | 799.32 | -363.4 | -218.9 | -184.9 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 9.96 | 211.06 | 3,962.8 | 700.83 | -378.2 | -227.8 | -192.5 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 9.96 | 211.06 | 4,061.3 | 602.34 | -393.0 | -236.7 | -200.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 9.96 | 211.06 | 4,159.8 | 503.84 | -407.8 | -245.7 | -207.6 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 9.96 | 211.06 | 4,258.2 | 405.35 | -422.6 | -254.6 | -215.1 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 9.96 | 211.06 | 4,356.7 | 306.86 | -437.5 | -263.5 | -222.7 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 9.96 | 211.06 | 4,455.2 | 208.37 | -452.3 | -272.4 | -230.2 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 9.96 | 211.06 | 4,553.7 | 109.88 | -467.1 | -281.4 | -237.7 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 9.96 | 211.06 | 4,652.2 | 11.39 | -481.9 | -290.3 | -245.3 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 9.96 | 211.06 | 4,750.7 | -87.11 | -496.8 | -299.2 | -252.8 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 9.96 | 211.06 | 4,849.2 | -185.60 | -511.6 | -308.2 | -260.4 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 9.96 | 211.06 | 4,947.7 | -284.09 | -526.4 | -317.1 | -267.9 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well STATE ANTELOPE 12-42-2HNB |
| Company: | BONANZA CREEK ENERGY INC. | TVD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Site: | NW NW SEC. 2 T5N R62W 6th P.M. | North Reference: | True |
| Well: | STATE ANTELOPE 12-42-2HNB | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #3 | | |

Planned Survey

| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|--------------|---------------|----------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 5,100.0 | 9.96 | 211.06 | 5,046.2 | -382.58 | -541.2 | -326.0 | -275.5 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 9.96 | 211.06 | 5,144.7 | -481.07 | -556.0 | -334.9 | -283.0 | 0.00 | 0.00 | 0.00 |
| END OF TANGENT | | | | | | | | | | |
| 5,203.0 | 9.96 | 211.06 | 5,147.6 | -484.03 | -556.5 | -335.2 | -283.2 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 8.02 | 211.06 | 5,243.4 | -579.83 | -569.5 | -343.0 | -289.8 | 2.00 | -2.00 | 0.00 |
| 5,400.0 | 6.02 | 211.06 | 5,342.7 | -679.08 | -580.0 | -349.3 | -295.2 | 2.00 | -2.00 | 0.00 |
| 5,500.0 | 4.02 | 211.06 | 5,442.3 | -778.69 | -587.5 | -353.9 | -299.0 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 2.02 | 211.06 | 5,542.1 | -878.54 | -592.0 | -356.6 | -301.3 | 2.00 | -2.00 | 0.00 |
| 5,700.0 | 0.02 | 211.06 | 5,642.1 | -978.52 | -593.5 | -357.5 | -302.1 | 2.00 | -2.00 | 0.00 |
| EOD TO VERTICAL | | | | | | | | | | |
| 5,701.2 | 0.00 | 0.00 | 5,643.3 | -979.72 | -593.5 | -357.5 | -302.1 | 1.97 | -1.97 | 0.00 |
| KOP (12°/100ft BUR) | | | | | | | | | | |
| 5,731.2 | 0.00 | 0.00 | 5,673.3 | -1,009.72 | -593.5 | -357.5 | -302.1 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 8.26 | 87.85 | 5,741.9 | -1,078.28 | -593.3 | -352.6 | -297.2 | 12.00 | 12.00 | 0.00 |
| 5,900.0 | 20.26 | 87.85 | 5,838.6 | -1,175.03 | -592.4 | -328.0 | -272.8 | 12.00 | 12.00 | 0.00 |
| 6,000.0 | 32.26 | 87.85 | 5,928.1 | -1,264.54 | -590.7 | -283.9 | -229.0 | 12.00 | 12.00 | 0.00 |
| 6,100.0 | 44.26 | 87.85 | 6,006.5 | -1,342.92 | -588.4 | -222.1 | -167.7 | 12.00 | 12.00 | 0.00 |
| 6,200.0 | 56.26 | 87.85 | 6,070.3 | -1,406.74 | -585.5 | -145.4 | -91.6 | 12.00 | 12.00 | 0.00 |
| 6,300.0 | 68.26 | 87.85 | 6,116.8 | -1,453.20 | -582.2 | -57.1 | -4.0 | 12.00 | 12.00 | 0.00 |
| START OF TANGENT | | | | | | | | | | |
| 6,356.2 | 75.00 | 87.85 | 6,134.5 | -1,470.90 | -580.2 | -3.8 | 48.9 | 12.00 | 12.00 | 0.00 |
| 6,400.0 | 75.00 | 87.85 | 6,145.8 | -1,482.24 | -578.6 | 38.4 | 90.9 | 0.00 | 0.00 | 0.00 |
| END OF TANGENT | | | | | | | | | | |
| 6,456.2 | 75.00 | 87.85 | 6,160.4 | -1,496.78 | -576.6 | 92.7 | 144.7 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 80.26 | 87.85 | 6,169.8 | -1,506.16 | -575.0 | 135.4 | 187.1 | 12.01 | 12.01 | 0.00 |
| 7" ICP *NEW* (P3) - STATE ANTELOPE 12-42-2HNB | | | | | | | | | | |
| 6,581.2 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -572.0 | 216.2 | 267.3 | 12.00 | 12.00 | 0.00 |
| 6,600.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -571.3 | 235.0 | 285.9 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -567.5 | 334.9 | 385.1 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -563.8 | 434.8 | 484.3 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -560.0 | 534.7 | 583.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -556.2 | 634.7 | 682.6 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -552.5 | 734.6 | 781.8 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -548.7 | 834.5 | 881.0 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -545.0 | 934.5 | 980.1 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.00 | 87.85 | 6,176.6 | -1,513.05 | -541.2 | 1,034.4 | 1,079.3 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -537.5 | 1,134.3 | 1,178.5 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -533.7 | 1,234.3 | 1,277.7 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -530.0 | 1,334.2 | 1,376.8 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -526.2 | 1,434.1 | 1,476.0 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -522.5 | 1,534.0 | 1,575.2 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -518.7 | 1,634.0 | 1,674.4 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -515.0 | 1,733.9 | 1,773.5 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -511.2 | 1,833.8 | 1,872.7 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -507.5 | 1,933.8 | 1,971.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -503.7 | 2,033.7 | 2,071.1 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -499.9 | 2,133.6 | 2,170.2 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -496.2 | 2,233.6 | 2,269.4 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.00 | 87.85 | 6,176.6 | -1,513.04 | -492.4 | 2,333.5 | 2,368.6 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -488.7 | 2,433.4 | 2,467.8 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -484.9 | 2,533.3 | 2,566.9 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -481.2 | 2,633.3 | 2,666.1 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -477.4 | 2,733.2 | 2,765.3 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|--------------------------------|-------------------------------------|--|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well STATE ANTELOPE 12-42-2HNB |
| Company: | BONANZA CREEK ENERGY INC. | TVD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB-EST @ 4663.6usft (Original Well Elev) |
| Site: | NW NW SEC. 2 T5N R62W 6th P.M. | North Reference: | True |
| Well: | STATE ANTELOPE 12-42-2HNB | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #3 | | |

Planned Survey

| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|--------------|--------------|----------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 9,200.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -473.7 | 2,833.1 | 2,864.5 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -469.9 | 2,933.1 | 2,963.6 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -466.1 | 3,033.0 | 3,062.8 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.00 | 87.85 | 6,176.6 | -1,513.03 | -462.4 | 3,132.9 | 3,162.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -458.6 | 3,232.8 | 3,261.1 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -454.9 | 3,332.8 | 3,360.3 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -451.1 | 3,432.7 | 3,459.5 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -447.3 | 3,532.6 | 3,558.7 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -443.6 | 3,632.6 | 3,657.8 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.00 | 87.85 | 6,176.6 | -1,513.02 | -439.8 | 3,732.5 | 3,757.0 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.00 | 87.85 | 6,176.6 | -1,513.01 | -436.1 | 3,832.4 | 3,856.2 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.00 | 87.85 | 6,176.6 | -1,513.01 | -432.3 | 3,932.4 | 3,955.4 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.00 | 87.85 | 6,176.6 | -1,513.01 | -428.6 | 4,032.3 | 4,054.5 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.00 | 87.85 | 6,176.6 | -1,513.01 | -424.8 | 4,132.2 | 4,153.7 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.00 | 87.85 | 6,176.6 | -1,513.01 | -421.0 | 4,232.1 | 4,252.9 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.00 | 87.85 | 6,176.6 | -1,513.00 | -417.3 | 4,332.1 | 4,352.1 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.00 | 87.85 | 6,176.6 | -1,513.00 | -413.5 | 4,432.0 | 4,451.2 | 0.00 | 0.00 | 0.00 |
| BHL (P3) - STATE ANTELOPE 12-42-2HNB | | | | | | | | | | |
| 10,869.9 | 90.00 | 87.85 | 6,176.6 | -1,513.00 | -410.9 | 4,501.8 | 4,520.6 | 0.00 | 0.00 | 0.00 |

Plan Annotations

| MD (usft) | TVD (usft) | Local Coordinates | | Comment |
|--------------|---------------|-------------------|-----------------|---|
| | | +N/-S (usft) | +E/-W (usft) | |
| 1,200.0 | 1,200.0 | 0.0 | 0.0 | START NUDGE (2°/100ft BUR) |
| 1,698.2 | 1,695.7 | -37.0 | -22.3 | EOB TO 9.96° INC |
| 5,203.0 | 5,147.6 | -556.5 | -335.2 | END OF TANGENT |
| 5,701.2 | 5,643.3 | -593.5 | -357.5 | EOD TO VERTICAL |
| 5,731.2 | 5,673.3 | -593.5 | -357.5 | KOP (12°/100ft BUR) |
| 6,356.2 | 6,134.5 | -580.2 | -3.8 | START OF TANGENT |
| 6,456.2 | 6,160.4 | -576.6 | 92.7 | END OF TANGENT |
| 6,581.2 | 6,176.6 | -572.0 | 216.2 | 7" ICP *NEW* (P3) - STATE ANTELOPE 12-42-2HNB |
| 10,869.9 | 6,176.6 | -410.9 | 4,501.8 | BHL (P3) - STATE ANTELOPE 12-42-2HNB |